

Data Sheet: Acoustideck

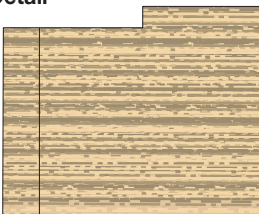
An acoustic floor which exceeds the requirement of Document E with the added benefit of full accessibility enabling use of the sub floor void for services

Feature Benefits

- Lock down system for maximum rigidity and stability
- Light weight reduces floor slab loadings - makes lifting easy
- Solid underfoot - no creaking or rocking
- Fully accessible and interchangeable panels
- Variable floor heights
- Accommodates variable slab surfaces and levels
- Increased loading capabilities
- Exceeds impact sound requirements of document E
- The pedestal base receives the unique Kingspan snap-on flexible polymer based acoustic pad
- Chipboard used in the manufacture of the panel is FSC certified



Section showing Corner Detail



Typical Areas of Application

Residential, retail, student accommodation, schools and hotels.

Description*

This acoustic flooring system has been designed to exceed the requirements of Document E when incorporated with standard concrete slab and ceiling construction.

Dwelling-houses and flats - performance standards for separating walls, separating floors, and stairs that have a separating function

	Airborne sound insulation sound insulation DnT,w + Ctr dB (Minimum values)	Impact sound insulation, L'nT,w dB (Maximum values)
Purpose built dwelling-houses and flats		
Walls	45	-
Floors & stairs	45	62
Dwelling-houses and flats formed by material change of use		
Walls	43	-
Floors & stairs	43	64

Panel Illustration



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System Construction

The system is based on a 600mm square high performance moisture resistant chipboard panel machined to provide a corner lockdown facility. Corner locking is achieved using a clamping washer and screw.

The panel is supported by an adjustable steel pedestal with a moulded plastic cap which provides positive location for the panel and includes provision for the lockdown screw.

The pedestal base receives the unique Kingspan snap-on flexible polymer based acoustic pad which fits snugly around the base ensuring continuous acoustic separation between pedestal and the slab.

The pedestal and acoustic pad can be adhered to the slab using a specially formulated adhesive with the pedestal base and acoustic pad both having been designed to enable adhesive penetration through the combined unit to ensure full system adhesion to the slab.

Structural Performance (BS6399-1:1996)

Panel Type	Uniformly Distributed Load	Concentrated Load
22mm P5 Chipboard	6kN/m ²	2.0kN
25mm P5 Chipboard	>6kN/m ²	3.0kN
25mm P6 Chipboard*	>6kN/m ²	4.8kN

* Not moisture resistant

- The above loading information is based on testing in compliance with the specification.
- Finished floor heights from 45mm to 300mm are available using one of our standard pedestals. For heights outside of this range alternative pedestals are available.

Special Applications

Bridging Sections	Where obstructions in the void prevent the use of pedestals.
Perimeter Gasket	20 x 9mm foam tape applied to the panel edge between floor and wall.
Ramps and Steps	Provided to accommodate changes in floor level.

